



Alternative Water and Energy Systems in the Buildings

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Deadline for manuscript
submissions:

30 June 2024

Message from the Guest Editors

Dear Colleagues,

Water and energy are both crucial resources to maintain both the well-being of humans and the economic development of the world. Anthropogenic activities are major contributors to intensifying water scarcity and a clear increase in energy demand. An important part of this demand is the energy and water used in buildings. To increase water availability and to reduce the pressure on natural resources, alternative sources can be implemented, mainly greywater and rainwater. The use of renewable energy sources, such as heat pumps, PV panels, solar collectors and waste heat lead to a reduction in the consumption of energy produced from fossil fuels. The use of alternative water and energy technologies in buildings not only reduces the negative impact of these buildings on the environment, but is also often financially beneficial.

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